

SEQUENCE LISTING

<110> Ault-Riche, Dana
 Kumble, Krishnanand
 Schulz, Rainer
 Schulz, Kenneth

<120> Self-Assembling Arrays and Uses Thereof

<130> 25885-1755

<140> Not Yet Assigned

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<150> 60/446,687

<151> 10-FEB-2003

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 <309> 2002-12-09

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Thr Ala Thr Lys Lys Lys Tyr Glu Gln Glu Ile Asp Val Arg Val Gln
 35      40      45
Ile Asp Arg Lys Ser Gly Asp Phe Asp Thr Phe Arg Arg Trp Leu Val
 50      55      60
Val Asp Glu Val Thr Gln Pro Thr Lys Glu Ile Thr Leu Glu Ala Ala
 65      70      75      80
Arg Tyr Glu Asp Glu Ser Leu Asn Leu Gly Asp Tyr Val Glu Asp Gln
 85      90      95
Ile Glu Ser Val Thr Phe Asp Arg Ile Thr Thr Gln Thr Ala Lys Gln
100      105      110
Val Ile Val Gln Lys Val Arg Glu Ala Glu Arg Ala Met Val Val Asp
115      120      125
Gln Phe Arg Glu His Glu Gly Glu Ile Ile Thr Gly Val Val Lys Lys
130      135      140
Val Asn Arg Asp Asn Ile Ser Leu Asp Leu Gly Asn Asn Ala Glu Ala
145      150      155      160
Val Ile Leu Arg Glu Asp Met Leu Pro Arg Glu Asn Phe Arg Pro Gly
165      170      175
Asp Arg Val Arg Gly Val Leu Tyr Ser Val Arg Pro Glu Ala Arg Gly
180      185      190
Ala Gln Leu Phe Val Thr Arg Ser Lys Pro Glu Met Leu Ile Glu Leu
195      200      205
Phe Arg Ile Glu Val Pro Glu Ile Gly Glu Glu Val Ile Glu Ile Lys
210      215      220
Ala Ala Ala Arg Asp Pro Gly Ser Arg Ala Lys Ile Ala Val Lys Thr
225      230      235      240
Asn Asp Lys Arg Ile Asp Pro Val Gly Ala Cys Val Gly Met Arg Gly
245      250      255
Ala Arg Val Gln Ala Val Ser Thr Glu Leu Gly Gly Glu Arg Ile Asp
260      265      270
Ile Val Leu Trp Asp Asp Asn Pro Ala Gln Phe Val Ile Asn Ala Met
275      280      285
Ala Pro Ala Asp Val Ala Ser Ile Val Val Asp Glu Asp Lys His Thr
290      295      300
Met Asp Ile Ala Val Glu Ala Gly Asn Leu Ala Gln Ala Ile Gly Arg
305      310      315      320
Asn Gly Gln Asn Val Arg Leu Ala Ser Gln Leu Ser Gly Trp Glu Leu
325      330      335
Asn Val Met Thr Val Asp Asp Leu Gln Ala Lys His Gln Ala Glu Ala
340      345      350
His Ala Ala Ile Asp Thr Phe Thr Lys Tyr Leu Asp Ile Asp Glu Asp
355      360      365
Phe Ala Thr Val Leu Val Glu Glu Gly Phe Ser Thr Leu Glu Glu Leu
370      375      380
Ala Tyr Val Pro Met Lys Glu Leu Leu Glu Ile Glu Gly Leu Asp Glu
385      390      395      400
Pro Thr Val Glu Ala Leu Arg Glu Arg Ala Lys Asn Ala Leu Ala Thr
405      410      415
Ile Ala Gln Ala Gln Glu Glu Ser Leu Gly Asp Asn Lys Pro Ala Asp
420      425      430
Asp Leu Leu Asn Leu Glu Gly Val Asp Arg Asp Leu Ala Phe Lys Leu
435      440      445
Ala Ala Arg Gly Val Cys Thr Leu Glu Asp Leu Ala Glu Gln Gly Ile
450      455      460
Asp Asp Leu Ala Asp Ile Glu Gly Leu Thr Asp Glu Lys Ala Gly Ala
465      470      475      480
Leu Ile Met Ala Ala Arg Asn Ile Cys Trp Phe Gly Asp Glu Ala
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<300>
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 Thr Met Met Phe Ser Ala Ser Ala Leu Ala Lys Ile Glu Glu Gly Lys
 20 25 30
 Leu Val Ile Trp Ile Asn Gly Asp Lys Gly Tyr Asn Gly Leu Ala Glu
 35 40 45
 Val Gly Lys Lys Phe Glu Lys Asp Thr Gly Ile Lys Val Thr Val Glu
 50 55 60
 His Pro Asp Lys Leu Glu Lys Phe Pro Gln Val Ala Ala Thr Gly
 65 70 75 80
 Asp Gly Pro Asp Ile Ile Phe Trp Ala His Asp Arg Phe Gly Gly Tyr
 85 90 95
 Ala Gln Ser Gly Leu Leu Ala Glu Ile Thr Pro Asp Lys Ala Phe Gln
 100 105 110
 Asp Lys Leu Tyr Pro Phe Thr Trp Asp Ala Val Arg Tyr Asn Gly Lys
 115 120 125
 Leu Ile Ala Tyr Pro Ile Ala Val Glu Ala Leu Ser Leu Ile Tyr Asn
 130 135 140
 Lys Asp Leu Leu Pro Asn Pro Pro Lys Thr Trp Glu Glu Ile Pro Ala
 145 150 155 160
 Leu Asp Lys Glu Leu Lys Ala Lys Gly Lys Ser Ala Leu Met Phe Asn
 165 170 175
 Leu Gln Glu Pro Tyr Phe Thr Trp Pro Leu Ile Ala Ala Asp Gly Gly
 180 185 190
 Tyr Ala Phe Lys Tyr Glu Asn Gly Lys Tyr Asp Ile Lys Asp Val Gly
 195 200 205
 Val Asp Asn Ala Gly Ala Lys Ala Gly Leu Thr Phe Leu Val Asp Leu
 210 215 220
 Ile Lys Asn Lys His Met Asn Ala Asp Thr Asp Tyr Ser Ile Ala Glu
 225 230 235 240
 Ala Ala Phe Asn Lys Gly Glu Thr Ala Met Thr Ile Asn Gly Pro Trp
 245 250 255
 Ala Trp Ser Asn Ile Asp Thr Ser Lys Val Asn Tyr Gly Val Thr Val
 260 265 270
 Leu Pro Thr Phe Lys Gly Gln Pro Ser Lys Pro Phe Val Gly Val Leu
 275 280 285
 Ser Ala Gly Ile Asn Ala Ala Ser Pro Asn Lys Glu Leu Ala Lys Glu
 290 295 300
 Phe Leu Glu Asn Tyr Leu Leu Thr Asp Glu Gly Leu Glu Ala Val Asn
 305 310 315 320
 Lys Asp Lys Pro Leu Gly Ala Val Ala Leu Lys Ser Tyr Glu Glu Glu
 325 330 335
 Leu Ala Lys Asp Pro Arg Ile Ala Ala Thr Met Glu Asn Ala Gln Lys
 340 345 350
 Gly Glu Ile Met Pro Asn Ile Pro Gln Met Ser Ala Phe Trp Tyr Ala
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<309> 2002-01-07

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          20          25          30
Pro Tyr Gly Thr Gly Leu Thr Pro Gln Pro Ile Gln Asn Thr Asn Ser
          35          40          45
Leu Ser Ile Leu Glu Glu Gln Gln Arg Gln Gln Gln Gln Gln Gln
 50          55          60
Gln Gln Gln Gln Gln Gln Gln Ala Val Ala Thr Ala Ala Ala Ser
 65          70          75          80
Val Gln Gln Ser Thr Ser Gln Gln Pro Thr Gln Gly Ala Ser Gly Gln
          85          90          95
Thr Pro Gln Leu Phe His Ser Gln Thr Leu Thr Thr Ala Pro Leu Pro
          100          105          110
Gly Thr Thr Pro Leu Tyr Pro Ser Pro Met Thr Pro Met Thr Pro Ile
          115          120          125
Thr Pro Ala Thr Pro Ala Ser Glu Ser Ser Gly Ile Val Pro Gln Leu
          130          135          140
Gln Asn Ile Val Ser Thr Val Asn Leu Gly Cys Lys Leu Asp Leu Lys
145          150          155          160
Thr Ile Ala Leu Arg Ala Arg Asn Ala Glu Tyr Asn Pro Lys Arg Phe
          165          170          175
Ala Ala Val Ile Met Arg Ile Arg Glu Pro Arg Thr Thr Ala Leu Ile
          180          185          190
Phe Ser Ser Gly Lys Met Val Cys Thr Gly Ala Lys Ser Glu Glu Gln
          195          200          205
Ser Arg Leu Ala Ala Arg Lys Tyr Ala Arg Val Val Gln Lys Leu Gly
          210          215          220
Phe Pro Ala Lys Phe Leu Asp Phe Lys Ile Gln Asn Met Val Gly Ser
225          230          235          240
Cys Asp Val Lys Phe Pro Ile Arg Leu Glu Gly Leu Val Leu Thr His
          245          250          255
Gln Gln Phe Ser Ser Tyr Glu Pro Glu Leu Phe Pro Gly Leu Ile Tyr
          260          265          270
Arg Met Ile Lys Pro Arg Ile Val Leu Leu Ile Phe Val Ser Gly Lys
          275          280          285
Val Val Leu Thr Gly Ala Lys Val Arg Ala Glu Ile Tyr Glu Ala Phe
          290          295          300
Glu Asn Ile Tyr Pro Ile Leu Lys Gly Phe Arg Lys Thr Thr
305          310          315

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<309> 2002-12-25

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          20          25          30
Gly Pro Cys Lys Met Ile Lys Pro Phe Phe His Ser Leu Cys Asp Lys
          35          40          45

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Tyr Ser Asn Val Val Phe Leu Glu Val Asp Val Asp Asp Cys Gln Asp
  50          55          60
Val Ala Ala Asp Cys Glu Val Lys Cys Met Pro Thr Phe Gln Phe Tyr
  65          70          75          80
Lys Lys Gly Gln Lys Val Gly Glu Phe Ser Gly Ala Asn Lys Glu Lys
          85          90          95
Leu Glu Ala Ser Ile Thr Glu Tyr Ala
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          20          25          30
Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys
          35          40          45
Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Phe
          50          55          60
Ser Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys Gln
          65          70          75          80
His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg
          85          90          95
Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val
          100          105          110
Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile
          115          120          125

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Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn
 130          135          140
Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly
145          150          155          160
Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val
          165          170          175
Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro
          180          185          190
Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser
          195          200          205
Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val
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Thr Ala Ala Gly Ile Thr His Gly Met Asp Glu Leu Tyr Lys
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<309> 2003-01-27

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          20          25          30
Met Lys Lys Arg Leu Glu Asn Gly Asp Asp Tyr Phe Ala Val Asn Pro
          35          40          45
Lys Gly Gln Val Pro Ala Leu Leu Asp Asp Gly Thr Leu Leu Thr
          50          55          60
Glu Gly Val Ala Ile Met Gln Tyr Leu Ala Asp Ser Val Pro Asp Arg
65          70          75          80
Gln Leu Leu Ala Pro Val Asn Ser Ile Ser Arg Tyr Lys Thr Ile Glu
          85          90          95
Trp Leu Asn Tyr Ile Ala Thr Glu Leu His Lys Gly Phe Thr Pro Leu
          100          105          110
Phe Arg Pro Asp Thr Pro Glu Glu Tyr Lys Ser Thr Val Arg Ala Gln
          115          120          125
Leu Glu Lys Lys Leu Gln Tyr Val Asn Glu Ala Leu Lys Asp Glu His
          130          135          140
Trp Ile Cys Gly Gln Arg Phe Thr Ile Ala Asp Ala Tyr Leu Phe Thr
145          150          155          160
Val Leu Arg Trp Ala Tyr Ala Val Lys Leu Asn Leu Glu Gly Leu Glu
          165          170          175
His Ile Ala Ala Phe Met Gln Arg Met Ala Glu Arg Pro Glu Val Gln
          180          185          190
Asp Ala Leu Ser Ala Glu Gly Leu Lys
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